



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H142236

Mode: Highway

Status: Submitted

US-17 (Marine Blvd)

From/Cross Street: NC 53 (Western Blvd)

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Statewide Mobility

Length: 0.5

TIP#:

Fully Funded in Draft STIP? Yes **Statewide Mobility**

Cost to NCDOT: \$698,000

Description:

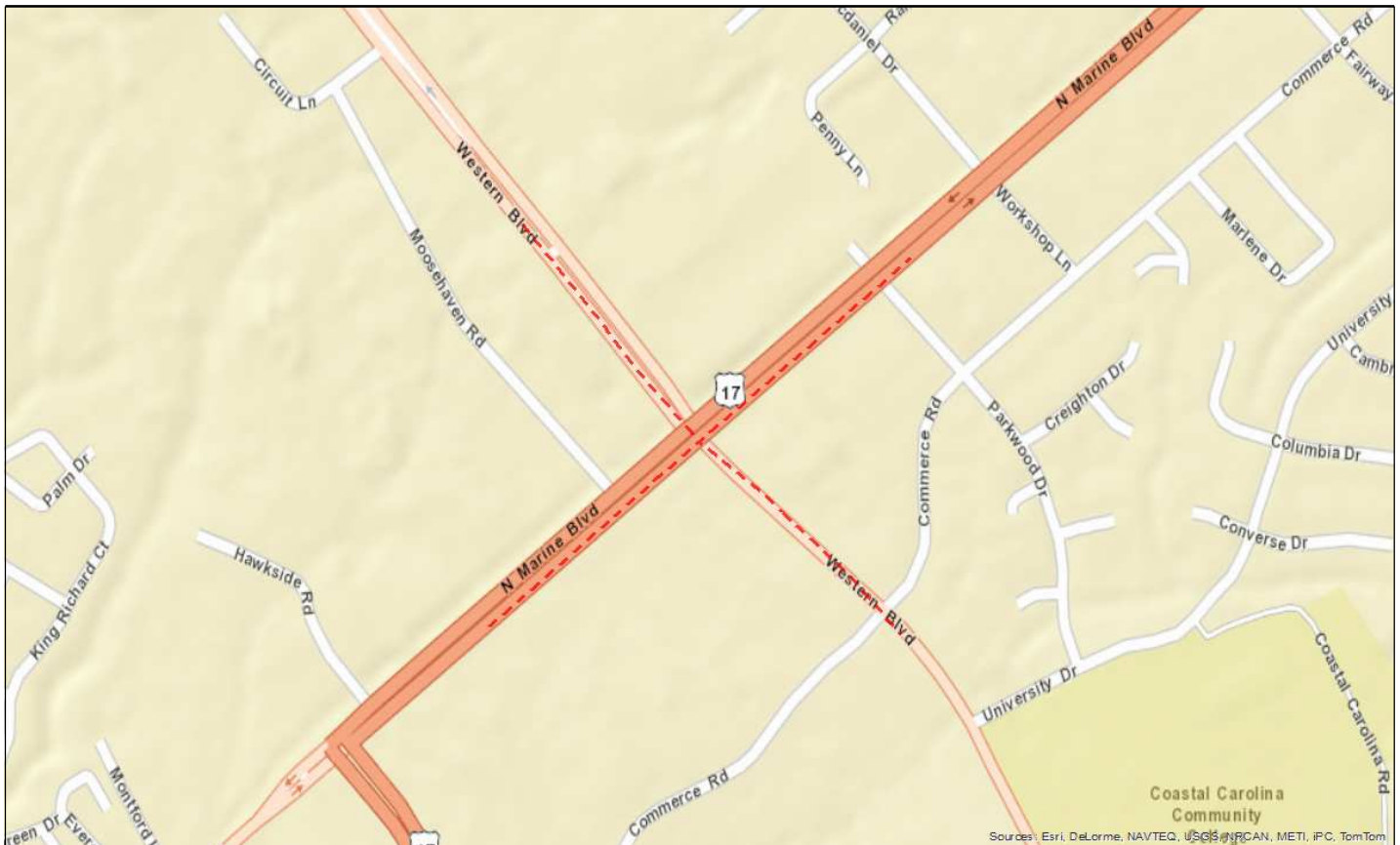
Upgrade intersection

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

Project Location



Statewide Mobility Total Score: 81.73

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 66.65 Economic Competitiveness (10%) 46.55 Multimodal + [Freight & Military] (20%) 56.62 [Travel Time] Benefit/Cost (30%) 100.00 Congestion (V/C) (30%) 96.94	N/A	N/A
Totals: Weight: 100% Weighted Score: 81.73		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 66.65 Multimodal + [Freight & Military] (25%) 56.62 [Travel Time] Benefit/Cost (20%) 100.00	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 50.82		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 96.94 Safety (20%) 66.65 Multimodal + [Freight & Military] (10%) 56.62	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 38.38		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	72004.06
Capacity:	63400
Volume/Capacity Ratio:	1.14
% Autos:	92%
% Trucks:	8%
Truck Volume:	5646.32
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	33.3
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	93
Actual Congested Speed:	27.71
Travel Time Index:	1.62

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	24765000
Travel Time Savings for 30 Years (Autos):	22823011.8
Travel Time Savings for 30 Years (Trucks):	1941988.2
Long-Term Employment:	397.34
% Change in Economy:	0.00053365
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	JUMPO 2040 LRTP
CTP/LRTP Completion Year:	2014
Submitted by:	Jacksonville Urban MPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$563,000	Cost Estimation Tool
Right-of-Way Cost:	\$135,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$698,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$698,000	